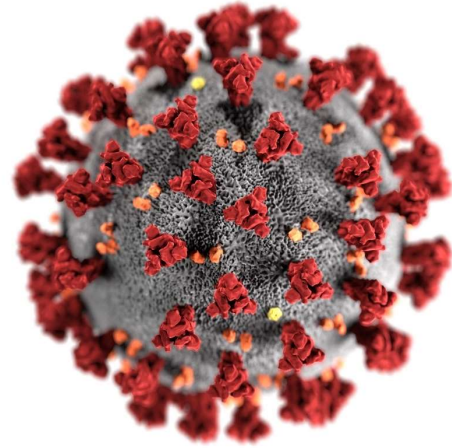# COVID-19 Vaccine Implementation

Dr. Georgina Peacock
January 25, 2021

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COVID-19 Vaccine Distribution and Initiation

As of January 20, 2021

Overall US COVID-19 Vaccine Distribution and Administration

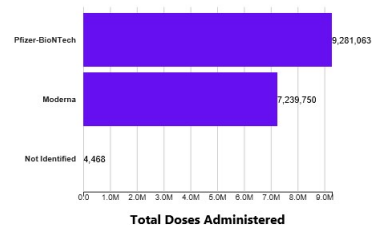| Total Doses Distributed	Total Doses Administered	Number of People Receiving 1 or More Doses	Number of People Receiving 2 Doses
35,990,150	16,525,281	14,270,441	2,161,419

CDC | Updated: Jan 20 2021 As of 6:00am ET

Total Doses Administered Reported to the CDC by State/Territory and for Selected Federal Entities per 100,000

Territories   Federal Entities

Total Doses Administered per 100,000

○ No Data ○ 0 ○ 1 - 2,000 ● 2,001 - 3,000 ● 3,001 - 4,000 ● 4,001+

U.S. COVID-19 Vaccine Administration by Vaccine Type

Pfizer-BioNTech   9,281,063

Moderna   7,239,750

Not Identified   4,468

0.0 1.0M 2.0M 3.0M 4.0M 5.0M 6.0M 7.0M 8.0M 9.0M

Total Doses Administered

Available: https://covid.cdc.gov/covid-data-tracker   1/20/21

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COVID-19 Vaccination is a Safer Way to Build Protection

- Getting the virus that causes COVID-19 may offer some natural protection, known as an antibody or immunity.
  - However, experts don't know how long this protection lasts.
- The risk of severe illness and death from COVID-19 far outweighs any benefits of natural immunity.
- COVID-19 vaccination will help protect you by building immunity without the risk of severe illness.

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Differences Between Moderna and Pfizer COVID-19 Vaccines

Moderna

- Age 18

- 28 - day dose interval

- Arrives in a thermal shipping container at between -25 °C to -15ºC (-13º to 5ºF).

Pfizer

- Age 16

- 21 - day dose interval

- Arrives in a thermal shipping container at between -80°C and -60°C (-112°F to -76°F)

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Explaining mRNA COVID-19 Vaccines

- mRNA vaccines take advantage of the process that cells use to make proteins in order to trigger an immune response
  - Like all vaccines, COVID-19 mRNA vaccines have been **rigorously tested** for safety before being authorized for use in the United States
  - mRNA technology is **new, but not unknown**. They have been studied for more than a decade
  - mRNA vaccines **do not contain a live virus** and do not carry a risk of causing disease in the vaccinated person
  - mRNA from the vaccine never enters the nucleus of the cell and **does not affect or interact with a person's DNA**

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ACIP: COVID-19 Vaccine Guiding Principles

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Efficient Distribution. During a pandemic, efficient, expeditious and equitable distribution and administration of authorized vaccine is critical

Flexibility. Within national guidelines, state and local jurisdictions should have flexibility to administer vaccine based on local epidemiology and demand

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Overview of Groups Prioritized by ACIP

Phase 1a
- ✓ Health care personnel
- ✓ Long-term care facility residents

Phase 1b
- ✓ Frontline essential workers
- ✓ Persons aged 75 years and older

Phase 1c
- ✓ Persons aged 65-74 years
- ✓ Persons aged 16-64 years with high-risk conditions
- ✓ Essential workers not recommended in Phase 1b

Phase 2
- ✓ All people aged 16 years and older not in Phase 1, who are recommended for vaccination

Initiation of phases will be overlapping

Phase 1a

Phase 1b

Phase 1c

Phase 2

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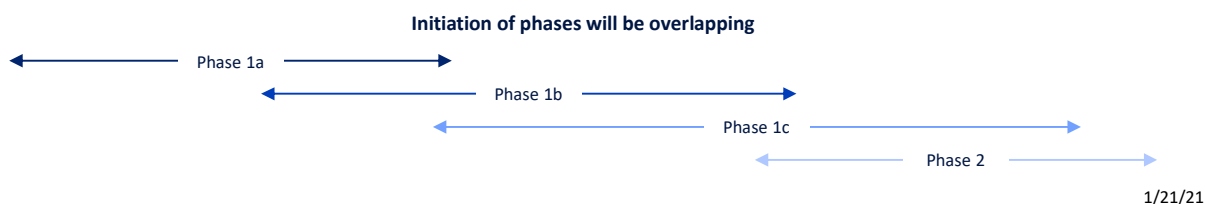
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Special challenges and considerations for vaccination of older adults

- Access to information about when they are eligible for vaccination and where they can obtain vaccine
- Vaccine access for persons living in
  - Congregate settings
  - Adult family homes
  - Rural areas
- Vaccine access for persons with
  - Cognitive decline
  - Limited family or community support
  - Mobility or disability challenges
  - Limited or no transportation

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Key Facts about COVID-19 Vaccination

Getting vaccinated can help prevent getting sick with COVID-19

People who have already gotten sick with COVID-19 may still benefit from getting vaccinated

COVID-19 vaccines cannot give you COVID-19

COVID-19 vaccines will not cause you to test positive on COVID-19 viral tests*

https://www.cdc.gov/coronavirus/2019-ncov/vaccines/about-vaccines/vaccine-myths.html

*https://www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html

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What to expect before, during, and after COVID-19 vaccination

Before ⟲

- **Learn about COVID-19 vaccines.**
- **See if COVID-19 vaccination is recommended for you.**

During 🔄

- **Read the fact sheet that tells you about the specific COVID-19 vaccine you receive.**
- **Receive a vaccination record card.**

After ↻

- **Expect some side effects.**
- **Enroll in v-safe. V-safe will remind you if you need a second shot.**
- **Continue using all the measures to protect yourself and others.**

V-safe: https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/vsafe.html

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Safety of COVID-19 Vaccines is a Top Priority

COVID-19 vaccines are being held to the same safety standards as all vaccines.

Before Authorization ↺	After Authorization ↻
FDA **ACIP**	**FDA** **CDC** CENTERS FOR DISEASE CONTROL AND PREVENTION
▪ **FDA** carefully reviews all safety data from clinical trials. ▪ **ACIP** reviews all safety data before recommending use.	▪ **FDA** and **CDC** closely monitor vaccine safety and side effects. There are systems in place that allow CDC and FDA to watch for safety issues. **VAERS** Vaccine Adverse Event Reporting System www.vaers.hhs.gov **v-safe** after vaccination health checker V-safe: https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/vsafe.html

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v-safe after vaccination health checker

Active Safety Monitoring for COVID-19 Vaccines

▪ **V-safe** is a new CDC smart-phone based monitoring program for COVID-19 vaccine safety

  ▪ Uses text messaging and web surveys to check-in with vaccine recipients after vaccination

  ▪ Participants can report any side effects or health problems after COVID-19 vaccination

  ▪ Includes active telephone follow-up by CDC for reports of significant health impact

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Vaccination is one measure to help stop the pandemic

- While COVID-19 mRNA vaccines appear to be highly effective, additional preventive tools remain important to limit the spread of COVID-19.

- The combination of getting vaccinated and following CDC recommendations to protect yourself and others offers the best protection from COVID-19.
  - Cover your nose and mouth with a mask.
  - Stay at least 6 feet from people who don't live with you.
  - Avoid crowds and poorly ventilated indoor spaces.
  - Wash your hands.

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Protect yourself, your family, friends, coworkers, and your community.
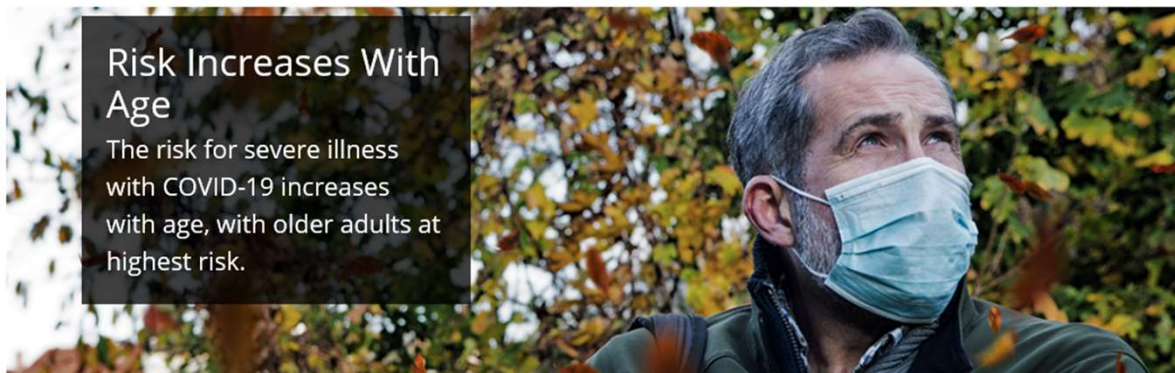
Get vaccinated.

- Choose to get vaccinated when it is offered.

- Participate in **v-safe** and help CDC monitor for any health effects after vaccination.

- Share your experience with coworkers, friends, and family.

- Know the basics about the COVID-19 vaccine. Help answer questions from your family and friends.

- Show you received the vaccine by wearing a sticker or button prominently.

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Additional information about COVID-19 among older adults

Risk Increases With Age
The risk for severe illness with COVID-19 increases with age, with older adults at highest risk.

www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/older-adults.html.
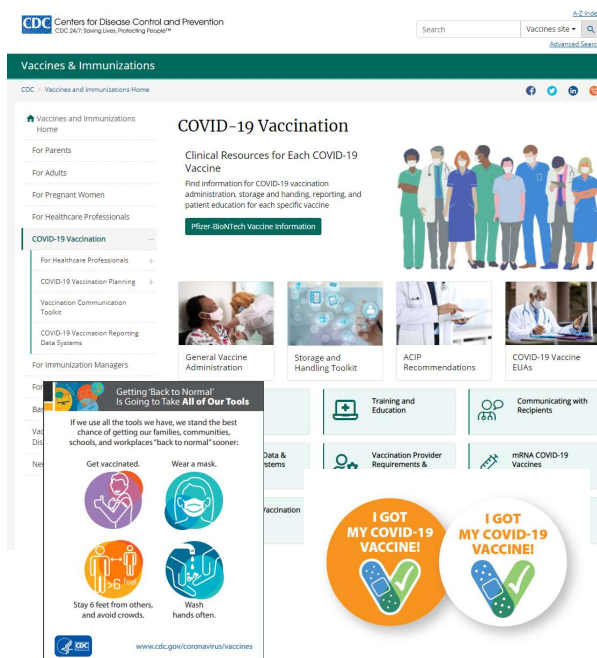
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CDC Resources

Learn more with **CDC's COVID-19 vaccine tools and resources.** Find information for COVID-19 vaccination administration, storage, reporting, patient education, and more.

- COVID-19 Vaccination:
  https://www.cdc.gov/vaccines/covid-19/index.html
- For Healthcare Professionals:
  https://www.cdc.gov/vaccines/covid-19/hcp/index.html

COVID-19 Vaccine Communications Toolkits
- Medical Centers, Clinics, and Clinicians
- Long-Term Care Facilities
- Community Based Organizations
- Essential Workers

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Thank you

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348   www.cdc.gov

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